



SHORT-CYCLE PRESS LINES

Wemhöner Short-Cycle Press
Lines set the standards.
Worldwide.

WEMHÖNER SURFACE TECHNOLOGIES

Technology, quality, innovation – these are the three pillars in the success story of Wemhöner over more than 85 years. Traditionally linked with the wood based panel industry, the furniture industry and their suppliers, around 300 employees produce machines and equipment for value adding of wood based panels.

New technologies are developed at the highest level and quality standards are optimised at the headquarters in Germany, always in close cooperation with the customers. Wemhöner sets standards with its short-cycle and throughfeed press lines, 3D VARIOPRESS® systems, lightweight panel equipment, digital- and direct printing and lacquering equipment. Worldwide.

Wemhöner provides complete system solutions which guarantee optimal production processes and reliable production, due to the perfect combination of technology and the company's decades of engineering experience.

Headquartered in Herford, Germany since 1925: Wemhöner Surface Technologies.





The plant in Changzhou, China.

The international focus and the continuous efforts to create new ideas are the reason for the global success of Wemhöner Surface Technologies. Wemhöner (Changzhou) Machinery Manufacturing was founded in 2006 with the intention to be present in the most important future market for the production of furniture.

Since the summer of 2007 the first factory outside Germany has been in operation. Until today, more than 50 3D Eagle press lines have been produced for the Chinese and international market. In 2008 the first throughfeed press line was built. Short-cycle press lines and lightweight panel equipment expand the portfolio of Wemhöner Changzhou since 2009. As a result of this success in China, the production area was doubled to 6,000 m² in 2011.

Due to the headquarters in Europe and its additional facility in China, Wemhöner is well prepared for the future and is able to react immediately on growing trends in established markets, but first of all to break into emerging markets. That makes the state-of-the-art technologies from Wemhöner available for customer's worldwide.

DESIGN MEETS WEMHÖNER SURFACE TECHNOLOGIES

Seldom has a base material had such a lasting impact on interior and home design as is the case with the surface finish of wood based panels with melamine impregnated papers. Discovered in Germany as far back as 1930, and continuously improved, the ingenious combination of these two components has had a particularly hot international winning streak in the past 20 years, and has occupied a permanent position in the furniture and laminate flooring industries. The authentic reproduction of surfaces such as wood or tile decor with high-resolution laminate printing, and sealing of the surface for heavy-duty wear, continues to develop new areas of application for this combination of materials.



Wemhöner Surface Technologies, with its extensive expertise in the pressing of wood and wood materials, took up the production of systems for short-cycle pressing 40 years ago, and we continue to develop a standard of technology that is unsurpassed when it comes to speed, reliability, and efficiency. You can depend on that.





Wemhöner short-cycle press lines are completely designed, constructed, and assembled to be ready for production right here at the Herford plant, before being installed and set up at our customer's facilities. This ensures consistent quality worldwide in the technology as well as in production.

The superiority of Wemhöner short-cycle press lines can be seen in the quality of the end product and in their flexibility in use with surface and substrate materials. Even when using the maximum pressing area, minimum thickness tolerances are guaranteed across the entire surface of the material being pressed. Customised Wemhöner software allows immediate production changeover without time-consuming set-up time. From feeding to storage, with SPS and an overriding computer connection, Wemhöner offers complete automation and visualisation of the production process.

MAXIMUM QUALITY ON MAXIMUM SURFACE AREA

Application:

Upgrading of wood based panels
preferential with melamine
impregnated paper/decor

Products:

Laminate flooring,
furniture panels

Dimensions:

Pressing area:
13 m length, 2,3 m width
Specific pressure
up to 800 N/cm²

TECHNICAL DATA





YOU CHOOSE THE IDEAL COMBINATION

When assembling components of a complete line, attention is always paid to the requirements of the customer and the product, as well as to the conditions at the line's future location. From flexible systems for extremely small batch sizes up to high-performance laminating lines for the laminate flooring industry, with 250 cycles/hour and specific pressure of up to 800 N/cm², Wemhöner covers the entire spectrum of performance for melamine short-cycle lamination. A few





examples of the application of components that allow the greatest flexibility and smooth workflows before and after the actual pressing process include double-sided vacuum feeder for thin boards, continuous film pallet changeover without loss of cycle time, film-lay-up stations with single-sheet alignment, de-stacking systems with protective-board handling, and double-cooling and caul plate changing stations. Of course, Wemhöner short-cycle press lines can also be designed and supplied as integratable stand-alone systems.



LAMINATE – ONLY ON CLOSER INSPECTION

The crowning achievement of surface finishing in the area of laminate is the imitation of natural structures through the use of structured pressure boards (synchronous pores). These allow products like imitation wood or tile laminate flooring to appear even more realistic, making them practically indistinguishable from solid materials. This processing step – embossed in-register – is integrated into the pressing cycle of Wemhöner short-cycle systems; the number of cycles is not reduced.





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